

We claim:

1. A discharge lamp (1) comprising an outer bulb (10) enclosing a ceramic discharge vessel (20) enclosing a discharge space, said cylindrical ceramic discharge vessel including within said discharge space an ionizable material comprising a metal halide; a first and second discharge electrode feedthrough means (30, 40); and a first and second current conductor (12, 13) connected to said first and second discharge electrode feedthrough means (30, 40), respectively;

said lamp having a single substantially curved frame wire (17), connected one of said current conductors (12, 13), extending between said ceramic discharge vessel and said glass bulb, and being separated from the discharge vessel by a distance effective to reduce arc bending when compared to a discharge lamp wherein said frame wire extends substantially parallel to the ceramic discharge vessel.

2. A lamp as claimed in claim 1, wherein the ceramic discharge vessel is a substantially cylindrical arc tube.

3. A lamp as claimed in claim 2, wherein said frame wire (17) extends outwardly from said arc tube (20) at a distance whereby the maximum distance between the arc and the curved frame wire

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(17) is at least twice the distance when compared to a discharge lamp wherein said frame wire extends substantially parallel to the arc tube.

5 4. A lamp as claimed in claim 2, having a power range of about 150W to about 1000W and exhibiting one or more of a characteristic selected from the group consisting of a CCT (correlated color temperature) of about 3800 to about 4500K, a CRI (color rendering index) of about 70 to about 95, a MPCD (mean perceptible color difference) of about ± 10 , and a luminous efficacy up to about 85-95 lumens/watt and /or in which the heat impact of the arc tube on the lamp components does not effectively reduce the lamp life.

10 5. A lamp as claimed in claim 2, wherein said frame wire (17) is a curved frame wire that extends adjacent to and substantially follows the contour of the glass bulb (10) and in which the heat impact of the arc tube on the lamp components does not effectively reduce the lamp life.

20 6. A lamp as claimed in Claim 1 retrofit with ballasts designed for high pressure sodium or quartz metal halide lamps.

7. A lamp as claimed in claim 2, wherein the approximate range of

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the aspect ratio of the arc tube (20) is about 3 to 10, with the distance between two electrodes (30, 40) ranging from 10mm to 60mm.

- 5 8. A lamp as claimed in claim 7, wherein the aspect ratio of said arc tube falls within the range of about 3.3-6.2.

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